

SIGNAL COUPLING SYSTEMS
WITH ENHANCED ISOLATION AND DYNAMIC RANGE

ABSTRACT OF THE DISCLOSURE

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Signal coupling systems are provided which enhance signal isolation and dynamic range with structures that increase bias voltages in upstream signal amplifiers to guard against transistor saturation that would otherwise increase current drain, reduce response time and possibly cause lock-up of an associated gain-control system. Dynamic range is thus enhanced because these systems can operate over an extended range of source signals. The increased bias voltages also decrease parasitic junction capacitances which increases input impedances and thereby enhances signal isolation and reduces signal distortion.

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